

AD-A128 288

CULTURAL RECONNAISSANCE OF MANELE BAY DREDGED MATERIAL
DISPOSAL SITE PALA (U) BERNICE P BISHOP MUSEUM
HONOLULU HI DEPT OF ANTHROPOLOGY A SINOTO 1978
DACW84-77-C-0019

1/1

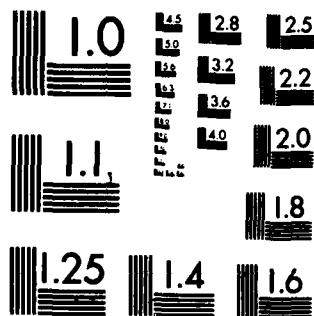
UNCLASSIFIED

F/G 5/6

NL



END
DATE
FILMED
DTIC



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

FROM
Bernice P. Bishop Museum

P. O. Box 6037
HONOLULU, HAWAII 96818

①

CULTURAL RECONNAISSANCE OF
MANELL BAY DREDGED MATERIAL DISPOSAL SITE
PALAWAI, LANAI ISLAND, HAWAII

CULTURAL RECONNAISSANCE OF
MANELE BAY DREDGED MATERIAL DISPOSAL SITE
PALAWAI, LANAI ISLAND, HAWAII

by

Aki Sinoto
Department of Anthropology
Bernice P. Bishop Museum

Prepared for

U. S. Army Engineer District, Pacific Ocean

Under Contract No. DACW84-77-C-0019, Mod. No. P00013, Aki Sinoto and Eric Komori of the Department of Anthropology, Bernice P. Bishop Museum, conducted a cultural reconnaissance survey of the Manele Bay dredged material disposal site, Palawai, Lanai, Hawaii, on May 9, 1978.

The project area, as defined in the Scope of Work dated R-31 March 1978, is a 1,000-by-50-ft corridor (50,000 sq. ft) with a 500-by-100-ft option (see map). The topography is generally rocky coastal slope on a solid volcanic substrate with sporadic areas of loose, soft, alluvial and aeolian soil fill. Several areas appear to have been disturbed previously by dragging, and several bulldozer cuts and a jeep road are apparent.

Vegetation consists of *kiawe* as the dominant flora, with *'ilima* (*Sida fallax*) and *koa-haole* (*Leucaena glauca*) nearer the coast. A few stands of *klu* (*Acacia farnesiana*) were encountered. The entire area is covered by a dry grass. Fauna consists of pheasants, wild pigs, goats, and feral cats.

No archaeological surface remains or artifacts, either prehistoric or historic, were found within the project boundaries. Blue and yellow flagging tape was placed on the southwest boundary to the 100-ft corridor perimeter, and the southern boundary was flagged to the bulldozed road to allow for a buffer zone (c. 100 to 200 ft) for nearby State Register Site 50-40-98-85, Hulopoe Complex. The adjacent area, across the road, was also surveyed, yielding negative results.

The Hulopoe Complex, designated "Reserve," is located approximately 100 ft (30 meters) southwest of the lower boundary (flagged) of the project area, adjacent to the northern and western limits of the cleared area at the lower

DISTRIBUTION STATEMENT A

Approved for public release
Distribution Unlimited



terminus of the bulldozed road. Some archaeological features were destroyed by the bulldozing, as indicated by the scatter of midden materials and dark, ash-mixed soil. No exposed subsurface features or artifacts were encountered during the cursory examination of the area. In the remaining portions of the complex, which extends along the slope toward the northwest and seaward to the southwest, the individual archaeological features appeared to be undisturbed and their condition stable when compared to data compiled during the Statewide Inventory in 1974.

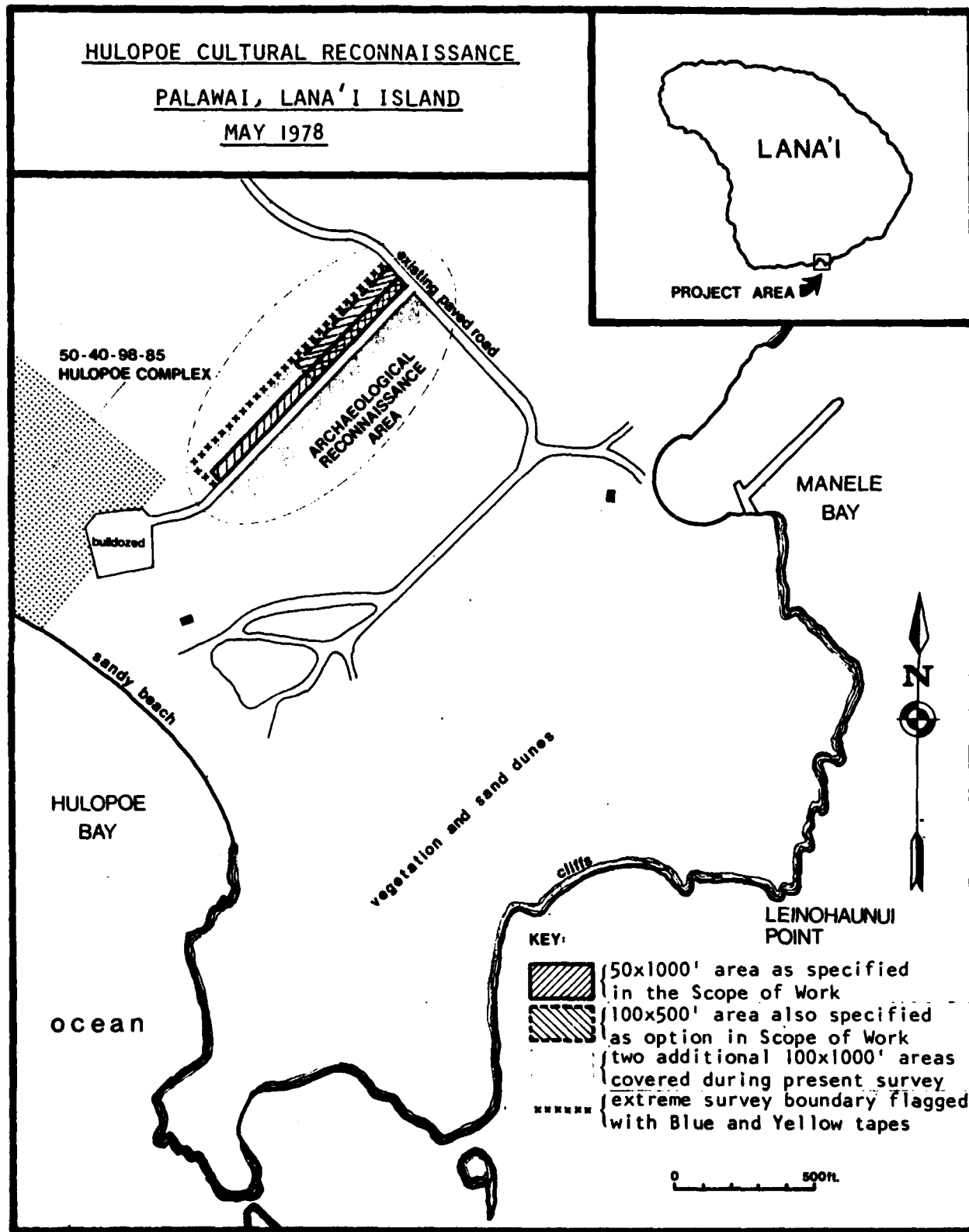
In view of the lack of cultural remains, it is concluded that no further archaeological work is necessary within the current project boundaries. Two 100-by-1,000-ft corridors situated along both sides of the bulldozed road have been cleared through archaeological survey as possible fill sites for dredged-material disposal. Further archaeological survey will be necessitated if for any reason the construction-related activities occur outside of the specified areas.

In consideration of the proximity of the Hulopoe Complex, utilization of the southeastern corridor is recommended. Although no adverse effect to the complex is anticipated, the general topography and erosional patterns indicated by alluvial deposition in the area above the complex do not preclude the possibility of the dredged fill affecting the complex either directly, through erosion, or indirectly, by diverting the normal alluvial flow.

HULOPOE CULTURAL RECONNAISSANCE

PALAWAI, LANA'I ISLAND

MAY 1978





OVERVIEW OF PROJECT AREA, MANELE BAY DREDGED MATERIAL DISPOSAL SITE,
PALAWAI, LANAI. Facing makai.



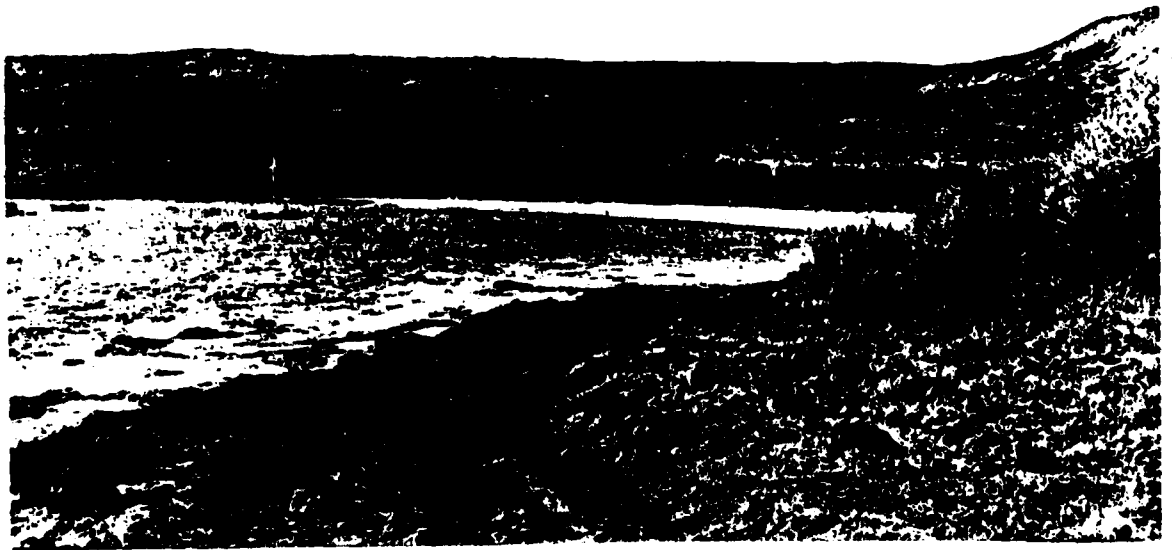
TYPICAL VEGETATION IN UPPER PORTION OF PROJECT AREA.



TYPICAL VEGETATION IN LOWER PORTION OF PROJECT AREA.



OVERVIEW OF BULLDOZED ROAD, FACING MAUKA.
Areas surveyed are on both sides of road.



OVERVIEW OF PROJECT AREA ON SLOPE,
VIEWED FROM OPPOSITE SIDE OF HULOPOE BAY.